ABSTRACT

A method and system for establishing consistency, with respect to a data model, between sub-modules within an E-CAD tool. A consistency database, including at least one consistency indicator for each block of interest in the data model, is initially created. One or more of the sub-modules is then executed to perform an analysis of a current version of the data model. At least one data field value, corresponding to the consistency indicator, is compared for each block of interest, in source files in the current version of the data model being analyzed, against a corresponding consistency indicator in the consistency database. A warning is issued, indicating a possible discrepancy between data in the current version of the data model and corresponding data in a previous version of the data model, if a difference is detected between at least one data field value in the current version of the data model being analyzed and the corresponding consistency indicator.